

REMARKS/ARGUMENTS

Claims 3 -8 remain in this application. Claim 3 was amended to correct informalities in the claims. New claims 5-8 were added in this amendment. No new matter has been introduced.

Claim 3 was rejected under 35 U.S.C. §102(e) as being anticipated by *Amrany et al.* (US Patent 6,192,109). Claim 4 was rejected under 35 U.S.C. §103(a) as being unpatentable over *Amrany et al.* (US Patent 6,192,109) in view of the prior art (MPEP 2144.03). Applicant traverses these rejections. Favorable reconsideration is respectfully requested.

Specifically, *Amrany* does not teach or suggest “optimizing transmission properties and power loss of a high voltage part, integrated in a subscriber line circuit for connecting a subscriber line, within a digital telephone exchange” as recited in claim 3, along with the features that are associated therein. The Office Action asserted that "front end circuitry (100) ... reads on claimed high voltage part." However, this assertion ignores the fact that the high voltage part is integrated in a subscriber line circuit for connecting a subscriber line, within a digital telephone exchange. The front end circuitry 100 in *Amrany* is not located within a digital telephone exchange, but within a modem that is part of a customer's DSL equipment, as shown in Figure 3. Accordingly, *Amrany* does not disclose or suggest a high voltage part within a digital telephone exchange, as defined in Claim 3. Also, the fact that *Amrany*'s front end circuit 100 is used for a different purpose, and as such is not a high voltage part, has been argued in response to the first Office Action, and is reasserted herein.

Also, *Amrany* fails to disclose “measuring both the telephone signals, situated within the frequency band provided for speech and coming from the subscriber line, and the data signals, situated in a frequency band above that provided for speech and coming from subscriber line” as recited in claim 3. *Amrany* does not measure the telephone and data signals as required by the claims, but instead uses impedance matching of test signals transmitted to the system. *Amrany* discloses (col. 6, line 53 through col. 7, line 4, and Figures 3 and 4) measuring the impedance of the transmission line (e.g., col. 6, line 56). A first impedance measurement is conducted by manipulating the switch 102 to position 106 so that the voltage 110 at the amplifier 108 output is given by equation 1 (col. 7, lines 6-13). The receiver voltage is directly proportional to the direct signal line current 112 or I_{DSL} (col. 7, lines 13-14). In a second impedance measurement, the voltage is again a function of I_{DSL} (col. 7, lines 16-20, and Equation 2). The impedance

measurements are performed using a test signal (col. 6, lines 66-67), but not telephone and data signals. Accordingly, *Amrany* fails to disclose or suggest measuring both telephone and data signals, as defined in Claim 3.

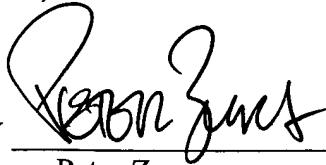
Furthermore, *Amrany* fails to disclose “setting current sources, which are integrated in the high voltage part and which supply current to units present in the high voltage part, the current determining operating point settings of the units, for amplifying and measuring the telephone and data signals” as recited in claim 3. The Office Action cited col. 6, line 52 through col. 9, line 34, and Figures 4-6 of *Amrany* as disclosing this feature. However, a closer review of these passages, as well as in the entire reference clearly demonstrates that no current sources are utilized. Regarding the impedance matching disclosed in *Amrany* (e.g., col. 7, lines 47-51), the reference uses the impedances to adjust the data rate of the modem (e.g., col. 7, lines 51-64). Again, there is no disclosure or suggestion of setting any current sources or setting current values as defined in Claim 3. Accordingly, *Amrany* fails to disclose or suggest setting current sources, as defined in Claim 3.

In light of the above, Applicant respectfully submits that claims 3-8 of the present application are both patentable over the art of record, and respectfully requests that a timely Notice of Allowance be issued in this case. If any additional fees are due in connection with this application as a whole, the Examiner is authorized to deduct said fees from Deposit Account No.: 02-1818. If such a deduction is made, please indicate the attorney docket number (0112740-153) on the account statement.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY



Peter Zura

Reg. No. 48,196

P.O. Box 1135

Chicago, Illinois 60690-1135

Phone: (312) 807-4292

Dated: January 24, 2005